

Title (en)

STRAIN SENSORS

Title (de)

DEHNUNGSSENSOREN

Title (fr)

CAPTEURS D'EFFORT

Publication

EP 3443293 A4 20191211 (EN)

Application

EP 16898845 A 20160415

Priority

US 2016027968 W 20160415

Abstract (en)

[origin: WO2017180162A1] A strain sensor can include a resistor, a first electrical contact at a first end of the resistor, and a second electrical contact at a second end of the resistor. The resistor can be formed of a matrix of sintered elemental transition metal particles interlocked with a matrix of fused thermoplastic polymer particles.

IPC 8 full level

G01B 7/16 (2006.01); **B29C 64/165** (2017.01); **B33Y 10/00** (2015.01); **B33Y 80/00** (2015.01); **G01L 1/22** (2006.01); **H05K 1/02** (2006.01)

CPC (source: EP US)

B29C 64/153 (2017.08 - US); **B29C 64/165** (2017.08 - EP); **B29C 64/295** (2017.08 - US); **B29C 64/307** (2017.08 - US); **B33Y 10/00** (2014.12 - EP); **B33Y 80/00** (2014.12 - EP); **G01B 1/00** (2013.01 - EP US); **G01B 7/18** (2013.01 - EP US); **G01L 1/2287** (2013.01 - EP US); **H05K 1/0283** (2013.01 - EP); **H05K 1/095** (2013.01 - EP); **H05K 1/118** (2013.01 - EP); **H05K 1/167** (2013.01 - EP); **H05K 2201/0129** (2013.01 - EP); **H05K 2201/0133** (2013.01 - EP); **H05K 2203/1131** (2013.01 - EP)

Citation (search report)

- [YA] WO 2015193045 A1 20151223 - STBL MEDICAL RES AG [CH], et al
- [YA] JP 2005353337 A 20051222 - MATSUSHITA ELECTRIC IND CO LTD
- See also references of WO 2017180162A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2017180162 A1 20171019; CN 108603742 A 20180928; EP 3443293 A1 20190220; EP 3443293 A4 20191211; EP 3443293 B1 20220216; US 11090862 B2 20210817; US 12011874 B2 20240618; US 2019152137 A1 20190523; US 2021339466 A1 20211104

DOCDB simple family (application)

US 2016027968 W 20160415; CN 201680078977 A 20160415; EP 16898845 A 20160415; US 201616066809 A 20160415; US 202117376742 A 20210715